

THE INVENTION CLAIMED IS:

1. A radio controlled toy vehicle having three or more wheels and controlled by a user operating a radio control transmitter comprising:

a left chassis body, a right chassis body, and a center chassis body, each of said chassis bodies having a front end, a rear end and a central portion;

a left main transformation arm attached to said left chassis body;

a right main transformation arm attached to said right chassis body;

a transformation drive including a transformation drive reversible electric motor, said transformation drive adapted to cause said left and right main transformation arms to move towards or away from each other when said transformation drive is actuated to thereby cause said left and right chassis bodies to move towards or away from each other, respectively, while maintaining the circular planes of said wheels perpendicular with a surface upon which they rest;

at least one of said wheels of said toy vehicle being driven by a wheel drive including a reversible electric wheel drive motor; and

a radio control receiver mounted on one of said chassis bodies and adapted to individually actuate said transformation drive motor and said wheel drive motor upon receipt of a signal from said radio control transmitter.

2. The toy vehicle of claim 1 wherein said left and right main transformation arms are adapted cause said center chassis body to rise to a position above said left and right chassis bodies when said left and right chassis bodies are caused to move towards each other, and to cause said center chassis body to descend to a position between said left and right chassis bodies when said left and right chassis bodies are caused to move away from each other.

3. The toy vehicle of claim 1 wherein said left and right main transformation arms are adapted cause said center chassis body to move to a position behind said left and right chassis bodies when said left and right chassis bodies are caused to move towards each other, and to cause said center chassis body to move to a position between said left and right chassis bodies when said left and right chassis bodies are caused to move away from each other.

4. A radio controlled toy vehicle comprising:

- a left chassis body, a right chassis body, and a center chassis body, each of said chassis bodies having a front end, a rear end and a central portion;

- a left main transformation arm having an inner and outer edge, said main left transformation arm being pivotally attached along its outer edge to said left chassis body;

- a right main transformation arm having an inner and

outer edge, said right main transformation arm being pivotally attached along its outer edge to said right chassis body;

one of said left and right main transformation arms being pivotally attached to a main center pivot rod, the other of said left and right main transformation arms being mechanically interlocked to said main center pivot rod;

a transformation drive mounted within one of said left or right main transformation arms, said transformation drive including a reversible electric motor and associated drive train including reduction gears, said drive train being drivingly connected to said main center pivot rod and adapted to cause said left and right main transformation arms to rotate towards or away from each other when said transformation drive is actuated;

left and right driving wheels, left and right reversible electric wheel drive motors, said left and right reversible electric wheel drive motors having left and right drive trains that include left and right reduction gears and left and right drive shafts, said left and right reversible electric motors and associated drive trains being mounted adjacent the rear end of said left and right chassis bodies, respectively, said left and right driving wheels being mounted on said left and right drive shafts, respectively;

a radio control receiver and a battery mounted on one of said chassis bodies, and wiring electrically communicating said radio control receiver, said battery, said

transformation drive electric motor, and said left and right electric motors to enable said radio control receiver to actuate said motors; and

left and right front sliding wheels rotatably mounted adjacent the front ends of said left and right chassis, respectively.

5. The toy vehicle of claim 4 wherein said left main transformation arm is pivotally attached along its outer edge to a left pivot pin, said left pivot pin being attached to said left chassis body.

6. The toy vehicle of claim 4 wherein said right main transformation arm is pivotally attached along its outer edge to a right pivot pin, said right pivot pin being attached to said right chassis body.

7. The toy vehicle of claim 4 wherein said right or left main transformation arm not containing said transformation drive has a concave body adapted to receive said main transformation arm containing said transformation drive when said transformation motor is actuated to causes the main transformation arms to rotate towards each other.

8. The toy vehicle of claim 4 wherein said center chassis body is substantially positioned between said left and right

chassis bodies when said main transformation arms are fully rotated away from each other, said center chassis being substantially positioned above said left and right chassis bodies when said transformation arms are rotated towards each other.

9. The toy vehicle of claim 4 wherein said radio control receiver is positioned within a receiver box mounted on said central chassis body at its rear end.

10. The toy vehicle of claim 9 including a rear wing attached to said receiver box.

11. The toy vehicle of claim 9 including a rear tilt wheel attached to said receiver box.

12. The toy vehicle of claim 4 including right and left side wings attached to said right and left main transformation arms, respectively.

13. The toy vehicle of claim 4 including a nose member attached to the front end of said center chassis.

14. The toy vehicle of claim 4 including a body figure attached to the center portion of said center chassis.